

Claims

1. A storage case for a data or music disc (2), the storage case comprising an outer shell (4), and an inner carrier (5), the inner carrier (5) defining a disc accommodating means (20) for receiving and storing a disc (2) therein with the disc
5 defining a storing plane (18), the inner carrier (5) being slideable in the outer shell (4) between a closed position within the outer shell (4) and an open position extending outwardly of the outer shell (4) for providing access to the disc accommodating means (20), and a securing means (30,33) in the inner carrier (5) for securing the disc in the disc accommodating means (18), characterised in that a guide means
10 (25,26) is provided in the inner carrier (5) for slideably guiding the disc with the disc lying in the storing plane (18) into and out of the disc accommodating means (20), and the securing means (30,33) secures the disc in the storing plane (18) in the disc accommodating means (20) against sliding movement in the storing plane (18) through the guide means (25,26).
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2. A storage case as claimed in Claim 1 characterised in that the securing means (25,26) is located adjacent the disc accommodating means (20) and extends inwardly thereto for releaseably securing the disc (2) in the disc accommodating means (20) against sliding movement through guide means (25,26).
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3. A storage case as claimed in Claim 1 or 2 characterised in that the outer shell (4) co-operates with the inner carrier (5) for enclosing the disc accommodating means (20) when the inner carrier (5) is in the closed position.
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4. A storage case as claimed in any preceding claim characterised in that the

inner carrier (5) comprises a lower support means (15) for supporting the disc thereon, and an upper retaining means (19) spaced apart from the lower support means (15) and co-operating with the lower support means (15) for defining the disc accommodating means (20) and for retaining the disc (2) in the disc accommodating means (20) against movement of the disc perpendicularly to the storing plane (18).

5 5. A storage case as claimed in Claim 4 characterised in that the lower support means (15) comprises a support plate (15) for co-operating with the outer shell (4) when the inner carrier (5) is in the closed position for enclosing the disc
10 accommodating means (20).

6. A storage case as claimed in any preceding claim characterised in that the outer shell (4) comprises a top plate (8) and a pair of spaced apart elongated side walls (9) extending downwardly from the top plate (8) for co-operating with the inner
15 carrier (5) for enclosing the disc accommodating means (20).

7. A storage case as claimed in Claim 6 characterised in that the top plate (8) of the outer shell (4) and the support plate (15) of the inner carrier (5) extend parallel to each other and are spaced apart therefrom when the inner carrier (5) is in the closed
20 position.

8. A storage case as claimed in Claim 6 or 7 characterised in that each side wall (9) of the outer shell (4) defines an elongated track (11) for slideably engaging and accommodating the inner carrier (5) between the open and closed positions.

9. A storage case as claimed in any of Claims 6 to 8 characterised in that the outer shell (4) is of inverted U-shaped transverse cross-section.

10. A storage case as claimed in any of Claims 6 to 9 characterised in that a pair
5 of inwardly directed lips (10) extend from the respective side walls (9) for forming the corresponding tracks (11).

11. A storage case as claimed in any of Claims 4 to 10 characterised in that a pair of spaced apart front and rear end walls (16,17) extend upwardly from the lower
10 support means (15) of the inner carrier (5) and define with the lower support means (15) and the upper retaining means (19) the disc accommodating means (20), the front and rear spaced apart end walls (16,17) extending between the side walls (9) of the outer shell (4) when the inner carrier (5) is in the closed position.

12. A storage case as claimed in Claim 11 characterised in that the upper
15 retaining means (19) of the inner carrier (5) comprises an upper retaining member (19) extending between the respective front and rear end walls (16,17).

13. A storage case as claimed in any of Claims 4 to 12 characterised in that the
20 securing means (30,33) is located between the lower support means (15) and the upper retaining means (19) of the inner carrier (5).

14. A storage case as claimed in any of Claims 4 to 13 characterised in that the
25 securing means (30,33) comprises a pair of spaced apart disc engaging clips (30) for engaging the disc (2) on respective opposite sides of a diameter (32) of the disc, and

for urging the disc diametrically along the said diameter (32) into engagement with a diametrically opposed disc abutment means (33) for securing the disc (2) in the disc accommodating means (20).

5 15. A storage case as claimed in Claim 14 characterised in that at least one of the disc engaging clips (30) of the securing means (30,33) is resiliently mounted for resiliently engaging the disc (2) as the disc is slid from one side (23,24) into and out of the disc accommodating means (20).

10 16. A storage case as claimed in Claim 15 characterised in that each of the disc engaging clips (30) of the securing means (30,33) is resiliently mounted for resiliently engaging the disc (2) as the disc is slid from either side (23,24) into and out of the disc accommodating means (20).

15 17. A storage case as claimed in any of Claims 14 to 16 characterised in that the disc engaging clips (30) are mounted on one of the front and rear end walls (16,17), and the disc abutment means (33) is mounted on the other of the front and rear end walls (16,17).

20 18. A storage case as claimed in any of Claims 14 to 17 characterised in that the disc abutment means (33) is provided by a pair of spaced apart abutment members (33) for engaging the disc (2) on respective opposite sides of the said diameter (32) of the disc.

25 19. A storage case as claimed in any of Claims 4 to 19 characterised in that the

guide means (25,26) is provided to one side of the upper retaining means (19) for slideably guiding the disc into and out of the disc accommodating means (20).

20. A storage case as claimed in Claim 19 characterised in that a pair of guide
5 means (25,26) are provided on respective opposite sides (23,24) of the upper retaining means (19).

21. A storage case as claimed in any of Claims 4 to 20 characterised in that each
guide means (25,26) comprises a pair of spaced apart guide plates (24,26) located
10 above and spaced apart from the lower support means (15) at respective opposite ends thereof for slideably guiding the disc into and out of the disc accommodating means (20).

22. A storage case as claimed in any preceding claim characterised in that a
15 locating means (45,46,50,51) is provided on the outer shell (4) for co-operating with an outer shell (4) of an adjacent storing case (1) for accommodating stacking of the storage case (1) with the other storage case (1), one above the other.

23. A storage case as claimed in Claim 22 characterised in that the locating
20 means (45,46,50,51) comprises one of a first male and female locating means (45,46) mounted on one of a side or end of the outer shell (4) for co-operating with a corresponding other of a first male or female locating means (45,46) on the outer shell (4) of the other storage case (1), and one of a second male and female locating means (50,51) on the other of the side or end of the outer shell (4) for co-operating
25 with a corresponding other of a second male and female locating means (50,51) on

the outer shell (4) of the other storage case (1).

24. A storage case as claimed in Claim 23 characterised in that the other of the first male and female locating means (45,46) and the other of the second male and female locating means (50,51) are provided on the outer shell (4) for co-operating with corresponding others of first and second male and female locating means (45,46,50,51) on an outer shell (4) of another storage case (1).

25. A storage case as claimed in Claim 23 or 24 characterised in that the first male locating means (45) extends upwardly from the top plate (8) of the outer shell (4).

26. A storage case as claimed in any of Claims 23 to 25 characterised in that the second male locating means (50) extends upwardly from the top plate (8) of the outer shell (4).

27. A storage case as claimed in any of Claims 23 to 26 characterised in that a pair of spaced apart second male locating means (50) are provided on the top plate (8) of the outer shell (4).

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28. A storage case as claimed in any of Claims 23 to 27 characterised in that the first female locating means (46) is located on the underside of the outer shell (4).

29. A storage case as claimed in any of Claims 23 to 28 characterised in that the second female locating means (51) is located on the underside of the outer shell (4).

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30. A storage case as claimed in any preceding claim characterised in that one of the inner carrier (5) and the outer shell (4) defines a label receiving means (37).

5 31. A storage case as claimed in Claim 30 characterised in that the lower support means (15) of the inner carrier (5) is of double skinned construction for defining the label receiving means (37) therebetween.

32. A storage case as claimed in any preceding claim characterised in that the
10 disc accommodating means (20) is a disc storing area (20).

33. A storage case as claimed in any preceding claim characterised in that the disc accommodating means (20) defines a compact disc.

15 34. A storage case as claimed in any preceding claim characterised in that the disc accommodating means (20) defines a CD ROM compact disc.

35. A storage case as claimed in any preceding claim characterised in that the disc accommodating means (30) defines a music compact disc.

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36. A storage case as claimed in any preceding claim characterised in that the disc accommodating means (20) defines a DVD disc.

37. A storage case as claimed in any preceding claim characterised in that a first
25 grip means (40,41) is provided for releasably engaging and retaining the inner carrier

(5) in the closed position in the outer shell (4).

38. A storage case as claimed in any preceding claim characterised in that a second grip means (43,44) is provided for retaining the inner carrier (5) connected to
5 the outer shell (4) when the inner carrier (5) is in the open position.

39. A storage case as claimed in Claim 38 characterised in that the second grip means releasably retains the inner carrier (5) connected to the outer shell (4) when the inner carrier (5) is in the open position.